

Supplementary Material

Effect and Mechanism of Marein on Diabetic Retinopathy

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THE MAIN REAGENTS AND INSTRUMENTS

The main reagents are as follows:

Triglyceride (TG) assay kit (Zhongsheng North Control Biotechnology Co., Ltd., cat. no. 187841); Total cholesterol (TC) assay kit (Zhongsheng North Control Biotechnology Co., Ltd., cat. no. 187842); Low density lipoprotein-cholesterol (LDL-C) test kit (Nanjing Jiancheng Bioengineering Institute, cat. no. 20190807); High density lipoprotein-cholesterol (LDL-C) test kit (Nanjing Jiancheng Bioengineering Institute, cat. no. 20190806); 4% paraformaldehyde (Biosharp Co., Ltd., China, cat. no. 1810473); Hematoxylin (Biosharp Co., Ltd., China, cat. no. 69090030); Isopropanol (Tianjin Beilian Fine Chemicals Development Co., Ltd.); Glycerol-gelatin mix (Beijing Suo Laibao Biotechnology Co., Ltd., cat. no. 20191015); Neutral gum (Beijing Suo Laibao Biotechnology Co., Ltd., cat. no. 20191024); Phosphate buffer powder (Biosharp Co., Ltd., China, cat. no. 69092500); Citrate buffer powder (Biosharp Co., Ltd., China, cat. no. 69100100); Immunohistochemical universal PV-6001 kit (Zhong Shan Golden Bridge Biological Technology Inc., Beijing, China); Immunohistochemical universal PV-6002 kit (Zhong Shan Golden Bridge

Biological Technology Inc., Beijing, China); DAB chromogenic kit (Zhong Shan Golden Bridge Biological Technology Inc., Beijing, China); Rabbit polyclonal anti-SYK (Abcam Biotechnology, Inc., cat. no. ab190176); rabbit polyclonal anti VEGF-A antibody (Abcam Biotechnology, Inc., cat. no. ab1316); rabbit polyclonal TGF- β (Abcam Biotechnology, Inc., cat. no. ab229856).


The main instruments are as follows:

Electric heating constant temperature incubator (Shanghai Qi Xin Scientific Instrument Co., Ltd.); iMARK Microplate Reader (Bio-Rad); YS100 light microscope (Nikon); BX43 light microscope (Olympus); Leica RM2235 type electric paraffin slicer (German Leica Company); Fluorescence microplate reader (Thermo Scientific); Low temperature centrifuge (Eppendorf); cryogenic refrigerator (Qingdao Haier, Co., Ltd.); CO₂ incubator (Thermo Scientific); PowerPac™ HC power supply (Bio-Rad); MTS4 Vortex oscillator (IKA Company); Enzyme plate oscillator MS3 (IKA Company); BR4i multifunction centrifuge (Jouan).

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